

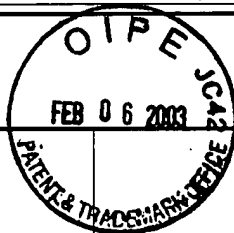
2-10-03

2811

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
08228-021001

In Re Application Of: Shiro SAKAI



Serial No.  
10/092,231

Filing Date  
03/06/2002

Examiner

Group Art Unit  
2811

Title: **METHOD FOR MANUFACTURING GALLIUM NITRIDE COMPOUND SEMICONDUCTOR AND LIGHT EMITTING ELEMENT**

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**37 CFR 1.97(b)**

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application; within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or before the mailing date of a first Office Action on the merits, whichever event occurs last.

**37 CFR 1.97(c)**

2. ☐ The Information Disclosure Statement submitted herewith is being filed after three months of the filing of a national application, or the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or after the mailing date of a first Office Action on the merits, whichever occurred last but before the mailing date of either:

1. a Final Action under 37 CFR 1.113, or
  2. a Notice of Allowance under 37 CFR 1.311,
- whichever occurs first.

Also submitted herewith is:

- ☐ a certification as specified in 37 CFR 1.97(e);

**OR**

- ☐ the fee set forth in 37 CFR 1.17(p) for submission of an Information Disclosure Statement under 37 CFR 1.97(c).

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT****(Under 37 CFR 1.97(b) or 1.97(c))**

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**Title: METHOD FOR MANUFACTURING GALLIUM NITRIDE COMPOUND SEMICONDUCTOR AND  
LIGHT EMITTING ELEMENT****Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of \_\_\_\_\_ is attached.
- ☒ The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. 50-0591 as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of \_\_\_\_\_
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Dated: 2/6/03

*[Signature]*  
Jonathan P. Osha, Reg. No. 33,986  
Rosenthal & Osha, L.L.P.  
1221 McKinney Street, Suite 2800  
Houston, Texas 77010

Telephone: 713-228-8600  
Facsimile: 713-228-8778

CC:

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**

Applicant(s): Shiro SAKAI

Docket No.

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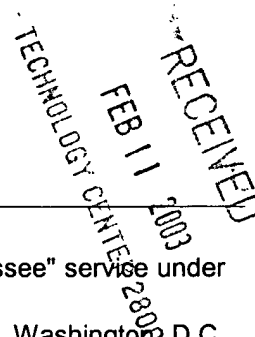
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Invention: METHOD FOR MANUFACTURING GALLIUM NITRIDE COMPOUND SEMICONDUCTOR AND  
LIGHT EMITTING ELEMENT

FEB 06 2003

I hereby certify that this **Information Disclosure Statement and PTO Form 1449**

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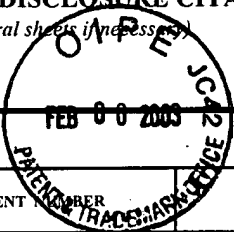
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# INFORMATION DISCLOSURE CITATION

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Docket Number (Optional)

08228-02100

Application Number

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Applicant(s)

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Filing Date

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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A1	3,909,929	10/07/1975	Debesis	29	590	#12/BS 10-25-03 Rtols
	A2	5,786,233	07/28/1998	Taskar et al.	438	46	
	A3	6,242,328	06/05/2001	Shin	438	518	

## FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
	B1	EP 0 180 222 A2	05/07/1986	EPO	H01L	31/18		
	B2	EP 0 180 222 A3	05/07/1986	EPO	H01L	21/308		
	B3	EP 0 723 303 A2	07/24/1996	EPO	H01L	33/00		
	B4	EP 0 723 303 A3	05/28/1997	EPO	H01L	33/00		
	B5	EP 0 731 490 A2	09/11/1996	EPO	H01L	21/033		

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

C1	Patent Abstracts of Japan, Publication No. 07097300, Publication Date 04/11/1995, 1 page
C2	Patent Abstracts of Japan, Publication No. 10178213, Publication Date 06/30/1998, 1 page

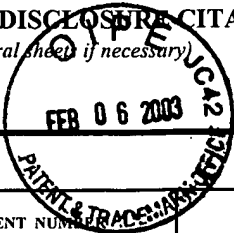
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							YES	NO
	B6	EP 0 731 490 A3	03/11/1998	EPO	H01L	21/033		

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

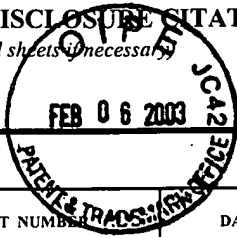
C3	Patent Abstracts of Japan, Publication No. 10242061, Publication Date 09/11/1998, 1 page
C4	Patent Abstracts of Japan, Publication No. 11186174, Publication Date 07/09/1999, 1 page

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**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

	C5	Patent Abstracts of Japan, Publication No. 11274557, Publication Date 10/08/1999, 1 page
	C6	Patent Abstracts of Japan, Publication No. 2000306854, Publication Date 11/02/2000, 1 page

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*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	C7	European Search Report dated 11/11/2002, 4 pages
	C8	European Search Report dated 01/08/2003, 3 pages

EXAMINER

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